Scheme 1
$$(Bun)_3Sn \longrightarrow Sn(nBu)_3 + X_1 \longrightarrow X_2 \longrightarrow NO_2 \longrightarrow NO_2$$

- a) $Pd(PPh_3)$, 1,4-dioxane, Δ . b) H_2 , Pd/C, EtOAc, EtOH.
- c) SnCl₂ dihydrate, EtOH, DMSO, Δ .

Scheme 2 SMe

BocHN NBoc

HgCl₂, RHN NR

TEA, DMF

SMe

$$X_1$$
 X_1
 X_1

Scheme 3

3 ArOCI
TEA, MeCN Ar
$$\stackrel{\mathsf{N}}{\mathsf{H}}$$
 $\stackrel{\mathsf{N}}{\mathsf{H}}$ $\stackrel{\mathsf{N}}$

1) SoCl₂, CH₂Cl₂

2) NH₃, EtOH

Ar

NH

NH

NH

NH

Ar

Ar

6b-c

Legend for compounds 2-5

$$a X_1 = H, X_2 = H$$

b
$$X_1 = Me, X_2 = H$$

c
$$X_1 = OMe, X_2 = H$$

$$d X_1 = CI, X_2 = H$$

$$e X_1 = CF_3, X_2 = H$$

$$f X_1 = Me, X_2 = Me$$

See Table 1 for compound 6

Scheme 4